

# 100-POE-SPL PoE Splitter

N-Tron® Networking Series



## ▶▶▶ PoE Splitter

The N-Tron 100-POE-SPL is a Power over Ethernet splitter designed to accept Ethernet with PoE via Cat5 cable and output power via terminal block and Ethernet via RJ45.

This allows devices which are not PoE capable to be connected and powered by a Cat5 cable. The 100-POE-SPL also allows legacy devices which are not PoE capable to be deployed without the need to provide a dedicated power supply. The 100-POE-SPL is ideal for use with N-Tron's 105TX-POE, 105FX-POE, 100-POE4 or other PoE sourcing equipment. The 100-POE-SPL can be ordered with 12, 24, or 48 volt DC output.



### APPLICATIONS

- > Factory Automation
- > Utilities
- > SCADA
- > Security Surveillance
- > Transportation
- > Alternative Energy

### PRODUCT HIGHLIGHTS

- > Compact, Industrial Design
- > Up to 5 port connections
- > High Environmental Specifications
- > N-Ring Advanced Ring Technology
- > Increased Networking Performance
- > Plug-and-Play Operation

### FEATURES & BENEFITS

- > Compact, Space Saving Package
- > IEEE 802.3af Compliant
- > One RJ-45 PoE Port (Data & Power In)
- > One RJ-45 Port (Data Out)
- > Unmanaged Operation
- > Extended Environmental Specifications
  - -40°C to 85°C Operating Temperature
- > Supports up to 15.4 Watts (Cable and PSE Dependent)
- > Full Wire Speed Communications
- > Built in Transient Voltage Suppression
- > Power Status LED
- > Hardened Metal DIN-Rail Enclosure

industrial  
networking



# Industrial Unmanaged Ethernet Switch Specifications

## SWITCH PROPERTIES

Compact, Space Saving Package  
 IEEE 802.3af Compliant  
 One RJ-45 PoE Port (Data & Power In)  
 One RJ-45 Port (Data Out)  
 Unmanaged Operation  
 Extended Environmental Specifications  
 -40°C to 85°C Operating Temperature  
 Supports up to 15.4 Watts (Cable and PSE Dependent)  
 Full Wire Speed Communications  
 Built in Transient Voltage Suppression  
 Power Status LED  
 Hardened Metal DIN-Rail Enclosure

## POWER INPUT

Input Voltage: 46-54 VDC  
 Steady Output Current Under Full Load: 320 mA@48VDC  
 Steady Input Current Under No Load: 10 mA@48V

## CONNECTORS

10/100BaseTX: Two (2) RJ45 copper ports

## NETWORK MEDIA

10BaseT: >Cat3 cable  
 100BaseTX: >Cat5 cable

## RECOMMENDED WIRING CLEARANCE

Front: 2" (5.08 cm)  
 Top: 1" (2.54 cm)

## CERTIFICATION & COMPLIANCE

Product Safety: UL/cUL: Class I, Division 2, Groups A, B, C and D;  
 T4 UL 508, ICE and ANSI/ISA-12.12.01-2007  
 Emissions: EN 55011, ICES-003, FCC/CE (CFR 47, Part 15,  
 Subpart B, Class A)  
 Immunity: EN 61000-6-2/4, IEC 61000-4-2/3/4/5/6  
 Other: ABS type approval for shipboard applications  
 DNV Type Approval Certification  
 RoHS Compliant  
 IEEE 1613 for Electric Utility Substations  
 NEMA TS1/TS2 for Traffic Control

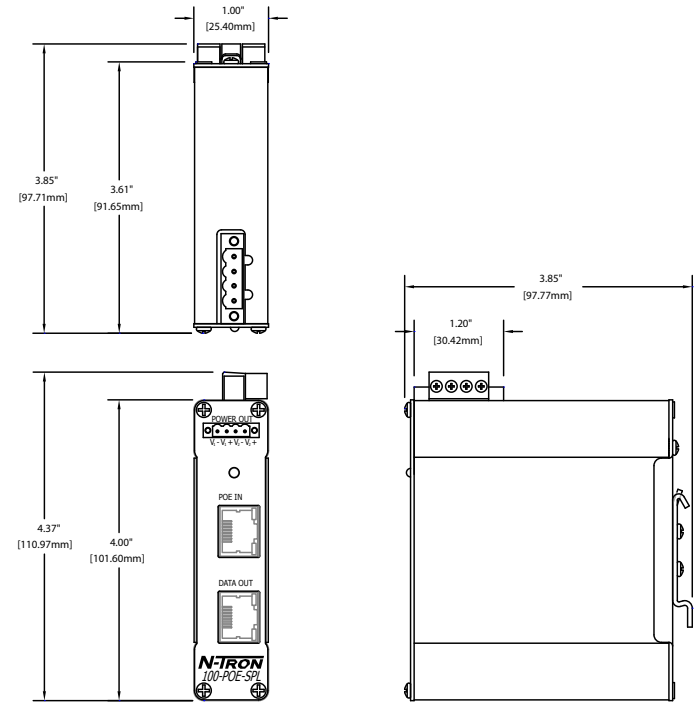
## ENVIRONMENTAL

Operating Temperature: -40°C to 85°C

## MECHANICAL

Case Dimensions  
 Height: 4" (10.2 cm)  
 Width: 1.0" (2.6 cm)  
 Depth: 3.7 (9.3 cm)  
 Depth (incl. DIN rail mount): 3.9" (9.8 cm)  
 Weight (max): 0.60 lbs. (0.27 kg)  
 Mount: DIN Rail 35mm

## DIMENSIONS



All specifications are subject to change. Consult the company website for more information.

## ORDERING GUIDE

PART NUMBER	DESCRIPTION
100-POE-SPL-12	Ethernet PoE splitter, 12VDC output
100-POE-SPL-24	Ethernet PoE splitter, 24VDC output
100-POE-SPL-48	Ethernet PoE splitter, 48VDC output
100-POE-SPL-XX	Ethernet PoE splitter, Custom VDC output*

\*Call for pricing



[www.redlion.net](http://www.redlion.net)

Connect. Monitor. Control.

**Americas**  
 sales@redlion.net

**Asia-Pacific**  
 asia@redlion.net

**Europe  
 Middle East  
 Africa**  
 europe@redlion.net

+1 (717) 767-6511

As the global experts in communication, monitoring and control for industrial automation and networking, Red Lion has been delivering innovative solutions for over forty years. Our automation, Ethernet and cellular M2M technology enables companies worldwide to gain real-time data visibility that drives productivity. Product brands include Red Lion, N-Tron and Sixnet. With headquarters in York, Pennsylvania, the company has offices across the Americas, Asia-Pacific and Europe. Red Lion is part of Spectris plc, the productivity-enhancing instrumentation and controls company. For more information, please visit [www.redlion.net](http://www.redlion.net).

ADLD0327 040616 © 2016 Red Lion Controls, Inc. All rights reserved. Red Lion, the Red Lion logo, N-Tron and Sixnet are registered trademarks of Red Lion Controls, Inc. All other company and product names are trademarks of their respective owners.